ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|
| FEE DETERMINATION         | MN       |        | 07-17-01 |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        |          |  |  |  |  |
| FORMALITY REVIEW          | T.       | 20     | 0812716  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        |          |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | BEST METATIAN LABLE | COPY           |
|---|----------------------------|---|---------------------|----------------|
| = | Allowed                    |   |                     | <b>OO</b> 1 8. |
| _ | (Through numeral) Canceled | Α | Appeal              |                |
| ÷ | Restricted                 | 0 | Objected            |                |

| Cla      | -+-      |            |          |       |            |        | D-4            | _         |                |        |     | $\neg$ |             | Cla      |          |  |  |          |              | Ďat      |          |          |          |              |                |         | <u></u>  | im       | T              |            |          |              | Dat  | _              |  |      | ماک        |          |          |                   |
|----------|----------|------------|----------|-------|------------|--------|----------------|-----------|----------------|--------|-----|--------|-------------|----------|----------|--|--|----------|--------------|----------|----------|----------|----------|--------------|----------------|---------|----------|----------|----------------|------------|----------|--------------|--|----------------|--|------|------------|----------|----------|-------------------|
|          | aun<br>T | n          | ň        | त्र   |            |        | Dat            |           |                | П      |     | -      |             | <u> </u> |          |  |  |          | _            |          |          | _        | r        | _            | ᅱ              |         | <u> </u> | т        | ╁╌             | -i         | _        | $\neg$       |  | _              | -  | 100  |            | N.       | 7        | 1.                |
| Final    | Calobo   |            | 1        |       |            |        |                |           | ì              | -      |     |        |             | Final    | Original |  |  |          |              |          |          |          |          |              |                |         | Final    | Original |                |            |          |              |  |                | .7   |      |            |          | 1.       |                   |
| Ť        |          | _          | $\mp$    | J     |            |        | - 7            |           |                |        |     |        |             |          | 51       | -  |  |          |              |          |          |          | $\neg$   |              |                |         |          | 101      |                |            |          |              |  |                |  |      |            | jì.      | 1.5      | -                 |
| -        | -        | 2          | Ċ        | 3     | - 7        |        | . •            |           | -              | 72     | 7   |        | •           |          | 52       |  |  |          |              |          | $\neg$   |          | ヿ        | $\neg$       | -              |         |          | 102      |                |            |          | -            |  |                |  | Y    | . 7        | 3        | 6        |                   |
|          | T        | 3          | 1        | v,    |            |        |                |           | 7              |        |     |        |             |          | 53       |  |  |          |              |          |          | $\neg$   |          | ٦            |                |         |          | 103      |                |            |          |              |  |                | 3  | Ÿ    | 7          | 1 st.    | *        |                   |
| -        | 1        | 4          | Ħ        | 1     | r.         |        |                | Н         | $\overline{}$  |        | -   |        |             | Н        | 54       |  |  |          |              |          | _        | $\neg$   |          | ╛            |                |         | _        | 104      | Τ              |            |          |              |  |                | ٠,   | 4    | 7.         |          |          | ,                 |
| . 5      | -        | 5          | Ħ        |       |            |        |                |           |                |        |     | Ξ      |             | Г        | 55       |  |  |          |              |          |          | $\neg$   | $\neg$   | $\neg$       |                |         |          | 106      |                |            |          |              |  |                |  | 5    | 1          | 雌        |          | Pro.              |
| 17       | ۲        | 6          |          | -     |            |        |                |           | Ť              |        | -   |        | ï           |          | 56       |  |  |          |              |          |          |          |          | $\neg$       |                |         |          | 106      |                |            |          |              | 5,00   |                |  |      | 41.        |          | 1        |                   |
| 7,00     | t        | 7          | 1        |       | 2.1        |        |                | Н         | ÷              | ,      |     | 1      |             |          | 57       |  |  |          |              |          |          |          | $\neg$   |              |                |         |          | 107      | · .            | -          |          |              |  |                | Ŧ  | 10   | A.         | 1        | 物        |                   |
| 1.0      | ۳.       | 8          | Ť        | Ť     | 13         | 7.     |                |           |                |        |     |        |             | _        | 58       | Г  | _  |          |              |          |          |          |          |              |                |         |          | 108      |                |            |          |              | -  | A.             |  | 4    | 1          | ż.       | 3        | 1                 |
|          | ÷        | 9          | 1        | 1     |            | H      |                | 1         |                | i -    | Н   | ┢      |             | -        | 59       | _  |  | -        | -            |          |          | $\neg$   |          |              | 7              | ١.      |          | 109      |                | . 3        |          | `.           | 1  |                | إيتم   | *    |            | 23       | 100      |                   |
|          | -        | 10         | <u>)</u> | 4     | , ="       |        | 3              |           |                |        |     | 1.     |             | Г        | 60       |  | ٠.   |          |              |          |          |          | -        | -            |                |         | Γ.       | 110      |                |            |          |              |  |                | 1  | 3    | 3          | 100      | Ph.      | K.                |
| -        | _        | 11         | 8        | 1     | 1.         |        |                |           |                | 7.     | H   |        | ٠,          | H        | 61       | -  |  |          | 7            |          |          |          | _        |              | ·              |         | Ė        | 111      |                |            |          | . ,,         | 1.4  |                |  | 3,2  | 138        | ***      |          | 8-5               |
| 293      | -        | 2          | 3        | t     | 1          | íğ.    | 1              |           | y.             | 1      | 7   | 1      | . ,         |          | 62       | <del>                                     </del> | Ι.   | Н        |              | $\vdash$ | . 1      |          | - 1      | 0            | ٠              |         | Ĺ        | 112      | -              | Н          |          | į.           | حواون  | 100            |  | 12   | 1          | 1 S      |          |                   |
| 1        | -        | -4         |          | y     | 3          | 18     | 1              | 140       | 7              | 7      | -   |        | 1.          | H        | 63       |  |  | Н        | - E          |          |          | -        |          |              | -              |         | -        | 113      | +              |            | 1.3      |              | 2  | 2,11           | <b>3</b> 1   | 0.7  | 瘸          |          | 鬙        | 1                 |
| -        | +        | 13)<br>[4] | 7        |       | *          | : F    |                | #.T       |                | .6     |     | 1      | 1           | 一        | 64       |  | -  |          |              | $\vdash$ | 5.<br>   |          | -        | $\neg$       |                |         | Ė        | 114      | +              | -          | 44       |              |  | E w            | 4  |      |            | 塩        |          | 1                 |
| 100      |          | 5          |          | Y     | 100 E      |        | -              | ς<br>(π.) |                | +      | 50  |        | : 35        |          | 65       | 3.5  | <del>                                     </del> | -        | -            | 4.3      |          |          |          |              |                |         |          | 115      | -              |            | $\vdash$ |              | in i   | 2 1            |  | w.   |            | T.       | 假        | X                 |
| 25.65    |          |            | 3 4      |       | 2          |        | 4              | 14        | 4              | +      | 110 | 120    | - St        | 1        | 66       | -  | + .  |          | <u> </u>     |          | Ĥ        |          |          | -            |                |         |          | 116      | -              | 1          | 7.       | -A           |  | 1              |  | **   | 1          | 12       |          | X.                |
| 1 30     |          | 16         | 1        | 7     | <u>E</u> . | =      | 3.00<br>780    | Jan 24    | 40             | . (-)  | -   | +-     |             | 100      | 67       | - 6  | -  | 0.1      | +            |          | -        | ¥ (      | 150      | 7.7          | -, .4:         |         | H        | 117      | +              | ار<br>داري | - 4      | 1.7          | 3.5  | **             | 200  | 2    | 133        |          | r.       |                   |
| 13.      | -        | <u>'</u>   | 4        | à     | 2          | 100    | 3              | 17        | No.            | -      | -   | - :    |             |          | _        |  |  | H        | 1            |          | Ξ.       |          | -        |              |                | 055     | 25.5     | 118      |                | ,          | *        | *.           | 3-   | 414            | _  |      | 2.7<br>200 |          |          | Sea.              |
| *        |          | 18         | V        | 5,    | 覧          |        | Y              | 變         |                | 0.6    | -   | 1      | 1           | 1        | 68       |  | -  |          | -            | _        | ,        | _        | Н        | -            |                | 1       |          | +-       | Ť              | -          | 7        | +            | -6   | 131            | 17.6   | 3    |            |          | 8        | V.                |
|          |          |            | Ł        |       | 2          | 14     | 13             | Ł         |                | *      | 170 |        |             | 33       | 69       | Į.   | 1-   | <u> </u> |              |          |          | 1- 1     |          | 10           |                | ٠,      | Ŀ        | 118      | 100            | _          | 13       | 1            | **   | 3              | 徳  | 熨    |            | *        |          | A                 |
| 1        |          | 20         | 2        | 数     |            | 1      | 3              | 1         |                | 1      | -   |        | ٠.          |          | 70       |  | 1  |          | - ; ,        | · .      |          |          |          | ٠.           | 3              | 13.5    | <u> </u> | 120      | -              | 5,         |          |              |  | 45             | 14   | 霉    |            | 2        |          | 1.5               |
| HIE      |          | 21         | <b>V</b> | 2     | 32         | 4      | . 4            |           | . 77           | 137    |     |        |             | ٤.       | 71       |  | 1,7  |          | <u></u>      | 11       | ٠.       |          |          | . **         |                | y       |          | 12       | 1              |            |          | -,5          | , 3  |                | , X  | 激    |            |          | 13.7     | 177               |
| 1        | i i      | 22         | 2        |       | 200        | 1      | W. 1           | 1         | 100            | i ida  | 2   | 100    | 13          | 13       | 72       | -: .   | i -  |          | 1            |          |          | *:       |          | 1            | 14             | , t 52: | <u> </u> | 12       | 2              | 100        |          | ,3,0         | 7.   | 1.5            | 37   |      | 13         | *        |          | 18                |
|          |          | 23         | ×        | 10.00 | 20         | F      | 3              | 1         | 3.)            | (3)    |     |        |             |          | 73       | 1.   |  |          |              |          |          | ٠,       | 1        |              |                | "···    | v."      | 12       | 3 ~            | 2          |          | ٠.           | ***  |                | ゾ  | Z    | 簽          | 統        |          | 132               |
| 2.4      |          | 24         | 7        | 1     | 73         | 4      | , 2            |           | 7,             | 3      | . 4 | 25     |             | 1.5      | 74       | ,  |  | . :      | Γ.           |          |          | 24       |          |              | . 1            | ] .     |          | 12       | 4              | ,          | 7.       | 2            |  | 7.             | .3   | 概    | 獨          | <b>3</b> |          |                   |
| 92       | 1        | 25         | 8        |       | 4          | 號      | 17             | -         | 15             |        | 3   | 100    | =           |          | 75       |  | 3.   |          | *            |          |          |          |          |              |                | -       |          | 12       | 5              | 73         |          | 77           | 16   | . 4            | 342  | 1    | 18         | 返        |          | 183               |
|          | 1        |            | 7        | 1     | *          | S.E    | 250            | 17        | 7              | *      | 2.5 | -21    | 12          | ~        | 76       | 10   | 35   |          |              |          |          |          |          |              |                | 1       | 7,5      | 120      | 3              | 1          |          |              | 3-7  | 4.0            | S. #   | 3    | 150        | 33       | 15       | <b>护</b>          |
| 7        |          |            | Š.       | 3     | 1          | 13     |                | 1         |                | 37     |     |        | <u>ان</u> . | 1        | 77       |  | 1  | 15       | 4            |          |          |          | 1.1      |              |                |         |          | 12       | 7              |            | ,,,,,    | 1            | Ž,   | .,,            | 440  | 71.4 |            |          |          | 3.7               |
| ay.      | _        |            | 200      | ā     |            | *      |                | 4         | 2.             |        | 2   | 17     | <u>.</u>    | 10       | 78       | 7  |  |          |              |          | 1.7      | 7.       | 1        |              | 1,             | 2.27    | Ξ        | 12       |                | 15         | 4        |              | 13   |                | 14   | 13   | 2          | 變        |          | <b>12</b>         |
| 35       | -        | 29         |          | 14    |            | ¥.     |                | 100       | -5             | (ste   |     |        |             |          | 79       | 1.   | ٦.   | . 10     | -            | 17       |          |          |          |              |                |         |          | 125      | 1              |            | 81       | . 3.         |  | 37             | 373  | 5,   | 1          |          |          | 1                 |
| 1        | -        | 30         | 12       | 4     | . 4        | 2      | +              | in.       | -              | 1      |     |        |             | -        | 80       | 1 5  |  |          | -            |          | ني: ١    |          | 3        |              | 3              |         |          | 130      | 0 1            | 14.        | . ,      | 7.7          |  | ,              | ×  | ***  | J.         | 72       |          |                   |
| -        | -        | 31         |          | 6     | .,         | 53     | -              | 134       | À,             | _      | 2.9 | 7      |             |          | 81       | -  | 14.  |          | - 1          |          | -        |          | 1        |              | ! 1            | *       |          | 13       | -              | 12         | **       | 1            |  | 43             | L.Y  | 3    | 4          | 2        |          | 133               |
| H        |          | 32         | 75,8     | 50.   |            |        | 190            | 14        | -              |        | 177 |        | 1           |          | 82       | -  | 1  |          | -            | 1        |          |          |          |              |                |         |          | 13       | -              |            |          | -1           | 7  |                | 1 25   | - 3  | 34         | Ø.       |          |                   |
| -        | -        | 33         | \$       | 5     | + "        | 64     | 2              | 271       | 33             | 1.5    | +-: | +      | 1.          |          | 83       |  | +  |          |              | 1        |          | -        | +3:      | - 2          |                |         |          | 13       |                |            | 15       |              | 1,4  | 14.            | -  | - 1  |            | 13       | 13       |                   |
| +        |          | 34         | 4        | 12    | 7          |        |                | + -       |                | 63     | 1   |        | 13          | -        | 84       | -  | -  | 1        | -            |          |          |          |          |              | -              |         | i iz     | _        | _              |            | 1        | 7            | -  |                | 1  | Ż    | 1          |          | 17       | 124               |
| 1        | -        | 35         | 3.5      | 1.0   | 1.5        |        | +              | 1         | K              | 5      | 1   | +      |             |          | 85       | -  | 1  | 1        | -            | +        | 1        | 3."      |          | -            | -              |         | -        | 13       | -              |            | t        | - 5          | <del>  </del>                                    | t '            | 1.   | 14   | 1,3        | 1        | 13       |                   |
| ·        | _        | 38         | 4        | 1,74  |            | -      | <del>-</del> - | +         | 17             |        | +   | 1      | 1           | H        | 86       | 4  | +-   | +-       | H            | Ť        |          | -        | -        | $\vdash$     | $\vdash$       | 1       | F        | 13       |                | -          | +-       | -            | -  | 17             | <del> </del>   | 3    |            | .5       | <b>:</b> | 40                |
| 12.      | ÷        | -          | 3        | -     | 1          | 1      |                | 47        |                | 2.3    | +   | 1      |             | -        | 87       |  | ╁-   | ╁        | +-           | +        | -        | -        | ┝∸       | -            | -              | 1       | F        | 13       | -              | Η.         | +        | <del>,</del> | 1.   | 1              | -  | -    | 1          | 100      | 1        |                   |
|          | ٠.       | 37         | F.,      | (*)   | ÷          | 1-     | <del>-</del>   | Ŧ.        | F-             | ÷      | -   | +      | 1           | H        | 88       | -  | +  | ⊢        | ⊢            | +-       | 1        | $\vdash$ | -        | -            | -              | 1       | $\vdash$ | +        | -              | $\vdash$   | +        | -            | -  | 1              | ÷  | -    | 1          | -        | 17       | 3                 |
| 1        | -1       | 38         | 9        | 1     | 22         | 1      | <del> </del> - | +         | <del>ا</del> ٺ | +-     | 1   | +-     | 1           | $\vdash$ |          | -  | ┼  | +-       | ⊢            | ╁╌       | ├        | ├-       | -        | -            | ⊢              | -       | -        | 13       | -              | ⊢          | +        | -            | $\vdash$   | ├-             | 1-2  | -    | 72         | 15       | 1        | $\mathcal{H}_{i}$ |
| E        | -        | 39         | Ŀ        | 1     | :          | ļ.     | ļ              | 4.        | ╁              |        | H   | +      | 1           | -        | 89       | +  | ┼  | 1-       | +-           | $\vdash$ | ⊢        | -        | -        | -            | $\vdash$       | 1       | $\vdash$ | 13       | +              |            | +        | -            | -  | <del> </del> - |  | ŀ    | 2,         | ×        | ┨."      |                   |
| -        | 4        | 40         |          |       | 1          | -      | 1              | <u> </u>  | ↓_             | 1.     | Ŀ   | ŀ      | 1           | $\vdash$ | 90       | 4_   | ↓  | <u> </u> | <del> </del> | $\vdash$ | <b> </b> | ⊢        | <u> </u> | _            | Ŀ              | 1       | $\vdash$ | 14       | -              | -          | 1-       | -            | -  | $\vdash$       | <u> </u>   | -    | 32         | Ŀ        | 1        | <u> </u>          |
| L        | .1       | 41         | Ľ        | L     | L          | L      |                | L         | L              | L      | L   | L      | ]           |          | 91       | L  |  | L        | 1_           | _        | _        |          | L_       | L            | _              | 1       | L        | 14       |                | _          | $\perp$  | L            | L  | $\vdash$       | Ľ  | :    | -          | 14       | 1        | : ;               |
|          |          | 42         |          | Ĺ     |            |        |                | L         | $\prod$        |        | Ĺ   | L      | ]           |          | 92       |  | L  | L        | L            | $\Box$   |          |          |          | L            | L              | ]       | L        | 14       | 2              | <u> </u>   | _        | L.           |  | $oxed{oxed}$   | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | L    | 1          | L        | 1        |                   |
|          |          | 43         |          | Γ     | Г          | Π      |                | П         |                | Г      | Γ   | Π      | ]           |          | 93       | $\Gamma$   | $\Gamma$   |          |              | Ĺ        | L        | L        | L        | Ĺ            | Ĺ              | _       | L        | 14       | 3              | Ĺ          | L        | L            | L  |                |  | L    |            | Ĺ        | ].       | - ?               |
|          | †        | 44         | Γ        |       | T          | Τ      |                | 1         | Τ              | Τ      | Τ   |        | 1           | Г        | 94       | 1  |  | Γ        | Γ            | Γ        |          |          |          |              |                |         |          | 14       | 4              |            |          |              |  |                | $\Box$   |      | Γ          | Γ        | ]        |                   |
| $\vdash$ | _        | 45         | Ι-       | Г     | Т          | T      | T              | $\top$    | T              | $\top$ | T   | 1      | 1           |          | 95       |  | 1  | 1        | 1            | Т        | Π        |          | Π        |              | Г              | 1       |          | 14       | 5              |            |          |              |  |                | Г  |      |            | Γ        |          |                   |
| $\vdash$ | -+       | 46         | Г        | T     | 1          | †      | 1              | T         | T              | 1      | T   | T      | 1           |          | 96       | <u> </u>   | 1  | Ī        | 1            |          |          | Ī        | Г        |              |                | 1       |          | 14       |                |            |          |              |  |                |  |      | Γ          | Γ        | 1        |                   |
| $\vdash$ |          | 47         |          | T     | 1          | $\top$ | T              | $\dagger$ | 1              | $\top$ | t   | 1      | 1           |          | 97       |  | T  | T        | T            | $\top$   |          |          | İ        |              | Г              | 1       |          | 14       | 7              | T          |          |              | Г  | Ī              | Π  |      | Γ          | Π        | 1        |                   |
| $\vdash$ |          | 48         | $\vdash$ | ╁     | +-         | +      | $\vdash$       | +-        | t              | +      | t   | +-     | 1           |          | 98       |  | +  | T        | †            | 1        |          | $\vdash$ | <b>†</b> | Ι-           |                | 1       | $\vdash$ | 114      |                | 1          | 1-       |              | $\vdash$   | <del> </del>   | 1  | 1    | Τ          | T        | 1        |                   |
| -        | _        | 49         | -        | ╁     | +          | +      | +              | +         | +              | +      | +-  | +      | 1           | -        | 99       |  | 1-   | T        | t            | T        | 1-       | t        | t-       | $\vdash$     | $\vdash$       | 1       |          | 14       |                | 1          | $\vdash$ | Г            | <del>                                     </del> |                | T  | T    | T          | T        | 1        |                   |
|          | - 1      | 50         | -        | -     | +-         | +      | +              | +         | +-             | +      | +-  | +      | 1           | -        | 10       |  | +  | +-       | +-           | +-       | +        | ⊢-       | 1        | <del> </del> | <del> </del> - | 1       | -        | 15       | <del>]</del> — | †          | +        |              | <del>                                     </del> | +              | <b>†</b> -   | +    | $\vdash$   | +-       | 4        |                   |

If more than 150 claims or 10 actions staple additional sheet here

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